

RELATIVE HUMIDITY

The dry conditions existing over the country, as a whole, are voiced by the humidity percentages, which except in a few localities, were distinctly below normal and in some instances the lowest ever recorded in August.

551.515 (08) (73)

SEVERE LOCAL STORMS, AUGUST, 1929

In portions of the upper Missouri Valley and adjacent areas in the Plateau region and also in the Great Plains and portions of the central valleys the monthly averages ranged from 5 to 20 per cent less than normal.

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A more complete statement will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path, yards ¹	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Hartford, Conn., and vicinity.	1	-----	-----	-----	\$1,000,000	Heavy hail	Heavy loss to tobacco crop and much damage to greenhouses; communication lines out of order.	Official, U. S. Weather Bureau. Hartford Courant (Conn.).
Plainfield and Hammon-ton, N. J.	1	-----	-----	-----	-----	Wind and hail	Trees uprooted; glass in windows broken; fruit trees injured.	Official, U. S. Weather Bureau.
Tama, Webster, Grundy, and Marshall Counties, Iowa.	1	11 p. m.	-----	-----	50,000	Wind	Character of damage not reported.	Do.
Kossuth County, Iowa.	2	1:30 a. m.	3 mi.	-----	150,000	Tornado	Extensive damage to crops and property. Path 12 miles.	Do.
Iowa (18 counties).	2	12:01-6 a. m.	-----	-----	-----	Wind	Much damage to crops, chiefly corn.	Do.
Marshall County, Kans.	2	4:30 p. m.	-----	-----	250	Violent wind	Trees and small buildings blown down.	Do.
Hay to Reparia, Wash.	2	5-6 p. m.	-----	-----	9,000	Hail	Standing grain damaged.	Do.
Durango, Colo.	3	6:30 p. m.	2,640	-----	-----	Hail and wind	Considerable damage to property in mining district.	Do.
Yuma, Ariz. (10 miles south of).	3	-----	-----	-----	15,000	Wind	3 small buildings demolished, many others damaged; several persons injured.	Do.
Burton, S. C.	4	-----	-----	-----	3,000	Thunderstorm	A barn and contents destroyed by lightning.	Do.
Las Cruces, N. Mex. (near).	6	3:30-5 p. m.	-----	-----	-----	2 hail storms	Heavy damage to alfalfa and fruit.	Do.
Hannibal, Mo.	6	-----	-----	-----	2,000	Electrical	Church damaged by lightning.	Do.
Oshkosh, Wis. (near).	9	-----	-----	-----	5,000	Hail	Damage chiefly to fruit.	Do.
Cheyenne, Wyo. (south of).	10	3:20 p. m.	-----	-----	-----	Tornado	No details. Storm passed some distance from station, probably in near-by Colorado.	Do.
Harrison County, Iowa.	10	1 p. m.	-----	-----	-----	do.	No damage, cloud did not touch ground.	Do.
Mills, Cherokee, and Lyon Counties, Iowa.	11	P. m.	-----	-----	-----	Hail and wind	Crops badly injured.	Do.
Van Buren, Tama, Jefferson, and Keokuk Counties, Iowa.	12	do.	-----	-----	-----	do.	Considerable crop damage.	Do.
La Crosse, Vernon, Monroe, Columbia, Dane, and Rock Counties, Wis.	13	6:35-10 a. m.	1-5 mi.	1	900,000	do.	Severe damage to corn, tobacco, greenhouses, and buildings over path 45 miles long.	Do.
Adams County, Pa. (south-central).	13	3-4 p. m.	-----	-----	-----	Heavy hail and wind.	Chief damage to crops; many windows broken.	Do.
Macoupin, Montgomery, and Christian Counties, Ill.	13	4 p. m.	8 mi.	-----	-----	Hail	Crops injured 40 to 50 per cent; greenhouses and auto tops damaged. Path 20 miles.	Do.
Stoughton, Wis. (near).	13	4:30 p. m.	-----	-----	2,000	do.	Crops, chiefly tobacco, damaged.	Do.
Newton, Ill. (near).	13	6:30 p. m.	60	-----	300	Small tornado.	No details of damage reported. Path 1 mile long.	Do.
Sumner, Altamont, Sparta, and Litchberry, Ill.	13	P. m.	-----	-----	-----	Wind, electrical, and hail.	Barns and buildings damaged by wind and lightning; much crop injury.	Do.
Boyetown, Pa.	13-14	-----	-----	-----	100,000	3 thunderstorms.	Much damage to property in Oley Valley; several buildings demolished; 2 persons injured.	Do.
Philadelphia, Pa., and vicinity.	14	2-4 p. m. 8:45 p. m. to mid-night.	-----	4	75,000	Thunderstorms and wind.	Loss chiefly to crops; other minor damage.	Do.
Ferndale, Md.	14	-----	-----	-----	3,500	Wind	Building unroofed and otherwise damaged.	Do.
Freeport Mills, Pa. (near).	14	-----	-----	-----	13,500	Electrical	3 barns and contents destroyed.	Do.
Franklin, Manor and Fayette Counties, Ohio.	14	-----	-----	-----	17,265	Wind and electrical.	Considerable damage to property.	Do.
Stevensville, Md.	14	-----	-----	-----	-----	Electrical	2 houses and a barn destroyed.	Do.
Fort Lupton, Colo. (near).	18	-----	1,760	-----	-----	Hail and electrical.	Severe storm accompanied by lightning. No details of damage.	Do.
Quakertown, Pa. (near).	18-19	-----	1,760	-----	7,500	Hail	Crops badly injured; trees uprooted; windows broken.	Do.
Henderson, N. C.	19	-----	1-3 mi.	-----	50,000	do.	Corn, cotton, and tobacco ruined.	Do.
Crandon, S. Dak.	21	6 p. m.	-----	-----	1,000	Wind and hail	A few small buildings wrecked; some damage to crops.	Do.
Oconomowoc, Wis. (near).	22	-----	-----	-----	20,000	Electrical	Considerable damage by lightning.	Do.
Providence, R. I.	23	10:32-11:45 p. m.	-----	-----	-----	Thunderstorm	Electric service disrupted; 500 telephones out of order; 4 buildings struck by lightning.	Do.
Homestead, Pa.	23	P. m.	-----	-----	10,000	Electrical	Power plant damaged; several buildings struck by lightning.	Do.
Ottawa, Ill.	23	-----	-----	-----	50,000	do.	Several buildings burned.	Do.
Saline County, Ill. (north-ern).	23	-----	-----	-----	3,000	do.	Several buildings damaged.	Do.
Portage, Ohio.	23-24	-----	-----	-----	-----	do.	3 barns and 1 building destroyed; several houses struck by lightning.	Do.
Groton, S. Dak. (near).	24	4:30 p. m.	-----	-----	25,000	Wind and hail	Buildings destroyed or damaged; cattle killed.	Do.
Rock Hill, S. C.	24	-----	-----	-----	-----	Hail	Considerable crop damage.	Do.
Atchison County, Kans.	25	6:30 p. m.	-----	-----	600	Small tornado.	Freight house and filling station damaged.	Do.
Clarke County, Iowa.	25	6 a. m.	-----	-----	-----	Hail and wind	Much corn blown down.	Do.
Vineland, Kans. (near).	25	-----	3 mi.	-----	50,000	Heavy hail	Extensive injury to corn crop over a 3-mile path.	Do.
Harrisburg, Pa.	27	1:52-4:10 p. m.	-----	-----	10,000	Electrical	Farm property destroyed.	Do.
Buena Vista, Colo.	27	5:30-8 p. m.	880-1,320	-----	5,000	Rain and hail	Entire crop of grain, hay, lettuce, and peas was completely destroyed.	Do.
Hampshire County, W. Va.	27	-----	1,760	-----	15,000	Hail	Crops injured.	Do.
Harrisburg, Ill. (near).	27	-----	-----	-----	6,000	Electrical	Several buildings damaged; livestock killed.	Do.
Groveton, Tex. (near).	28	2:40 p. m.	-----	-----	-----	Wind	Corn and cotton blown down; 2 farm homes unroofed; several barns and outbuildings wrecked.	Do.
Woodruff, S. C.	29	4 p. m.	1,460-7,040	-----	200,000	Hail	Heavy damage to crops and property over path 8 miles long.	Do.

¹ Mi. signifies miles instead of yards.